



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,658	01/09/2006	Yasuyoshi Matsumoto	A3-069 US	1650

7590

05/11/2006

Stacey E Caldwell
Molex Incorporated
2222 Wellington Court
Lisle, IL 60532

EXAMINER

TA, THO DAC

ART UNIT	PAPER NUMBER
----------	--------------

2833

DATE MAILED: 05/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

H.A

Office Action Summary	Application No. 10/529,658	Applicant(s) MATSUMOTO ET AL.	
	Examiner Tho D. Ta	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Ooya et al. (6,851,959).

In regard to claim 1, Ooya et al. discloses a memory card connector 1, comprising: an insulating housing defining a front receptacle area 4 communicating with an interior cavity for receiving a memory card 20; a plurality of terminals 5 mounted on the housing in a side-by-side array transversely across a rear of the housing, the terminals 5 having contact portions 5a at a rear of the cavity for engaging contacts 21 on a top side of the memory card 20; a sheet metal shell 3 covering at least a portion of the insulating housing and including a cover plate overlying at least a portion of the cavity, the shell 3 having a wrong insertion-proof projection 8a, 8b, 8c formed out of the cover plate 3 and extending downwardly into the cavity and into a slot (at 21) in the top of the memory card 20 when the card 20 is properly inserted into the cavity, the projection 8a, 8b, 8c preventing an erroneously inserted memory card 20 from engaging the contact portions 5a of the terminals 5, and the projection 8a, 8b, 8c being bent into

Art Unit: 2833

elbow-shaped cross-sectional configuration (see column 5, lines 16-22) to prevent scarring or cracking of the memory card when erroneously inserted into the cavity.

In regard to claim 2, Ooya et al. discloses that the wrong insertion-proof projection 8a, 8b, 8c is bent into a generally U-shaped configuration (see column 5, lines 16-22).

In regard to claim 3, Ooya et al. discloses that the wrong insertion-proof projection 8a, 8b, 8c is bent into a generally L-shaped configuration (see column 5, lines 16-22).

In regard to claim 4, Ooya et al. discloses that the wrong insertion-proof projection 8a, 8b, 8c is bent into a generally J-shaped configuration (see column 5, lines 16-22).

In regard to claim 5, Ooya et al. discloses that the wrong insertion-proof projection 8a, 8b, 8c is bent into a generally V-shaped configuration (see column 5, lines 16-22).

In regard to claim 6, Ooya et al. discloses that the sheet metal shell 3 includes a pair of depending opposite side walls integral with opposite longitudinal edges of the cover plate (see fig. 3).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ooya et al. in view of Hsu (6,478,630).

In regard to claim 7, Ooya et al. does not disclose that the side walls include mounting tabs bent outwardly at bottom edges of the walls for mounting the connector 1 on a circuit board.

Hsu discloses that the side walls of the metal shell 141 include mounting tabs 150 bent outwardly at bottom edges of the walls for mounting the connector 1 on a circuit board.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Ooya et al. by constructing the mounting tabs as disclosed by Hsu in order to secure the connector to the PCB and thus providing a reliable electrical card connector.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho D. Ta whose telephone number is (571) 272-2014. The examiner can normally be reached on M-F (8:00-5:30).

Art Unit: 2833

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



THO D. TA
PRIMARY EXAMINER